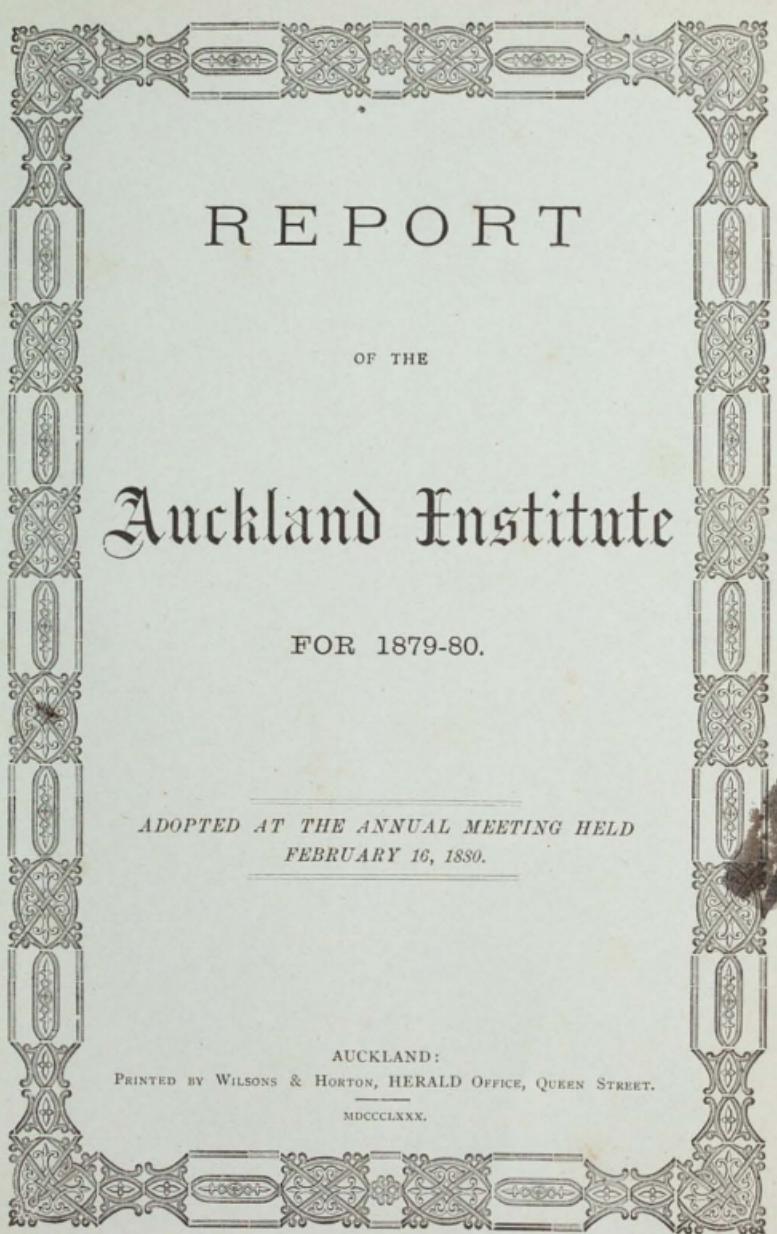


AIM Ann Report
1879 to 1880



REPORT

OF THE

Auckland Institute

FOR 1879-80.

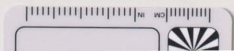
ADOPTED AT THE ANNUAL MEETING HELD
FEBRUARY 16, 1880.

AUCKLAND:

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AIM Ann Report
1879 to 1880



AIM Ann Report
1879 to 1880

R E P O R T

OF THE

Auckland Institute

FOR 1879-80.

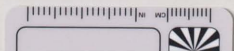
ADOPTED AT THE ANNUAL MEETING HELD FEB. 16, 1880.

AUCKLAND:

PRINTED BY WILSONS & HORTON, "HERALD" OFFICE, QUEEN & WYNDHAM STREETS.

MDCCCLXXX.

AIM Ann Report
1879 to 1880



1880.

—

OFFICERS
OF THE
AUCKLAND INSTITUTE.

Council.

President :

REV. A. G. PURCHAS, M.R.C.S.E.

AICKIN, G., Esq.

BATES, REV. J.

CAMPBELL, J. L., Esq., M.D.

FENTON, F. D., Esq.

FIRTH, J. C., Esq.

HAULTAIN, HON. COL.

HEATH, NEIL, Esq.

MACKECHNIE, E. A., Esq.

POND, J. A., Esq.

SMITH, S. P., Esq.

STEWART, J., Esq., M. Inst., C.E.

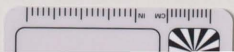
Secretary and Treasurer :

T. F. CHEESEMAN, Esq., F.L.S.

Auditor :

T. MACFFARLANE, Esq.

AIM Ann Report
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AIM Ann Report 1879 to 1880

The following Magazines and Periodicals are circulated amongst the Members :—

Quarterly Journal of Microscopical Science
Journal of Science
Popular Science Review
Nature
Geological Magazine
Lancet
Scientific American
The Academy
The Garden
Botanical Magazine
Gardener's Chronicle
Chemical News
Engineering
Iron
Journal of Botany
Science Gossip
Electrical and Telegraphic Review
Journal of the Society of Arts

WINTER SESSION, 1880.

Meetings will be held on the following Monday Evenings :—

JUNE 21.	SEPTEMBER 20.
JULY 19.	OCTOBER 18.
AUGUST 16.	NOVEMBER 15.

To commence at 7.30 p.m.

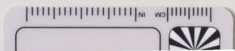
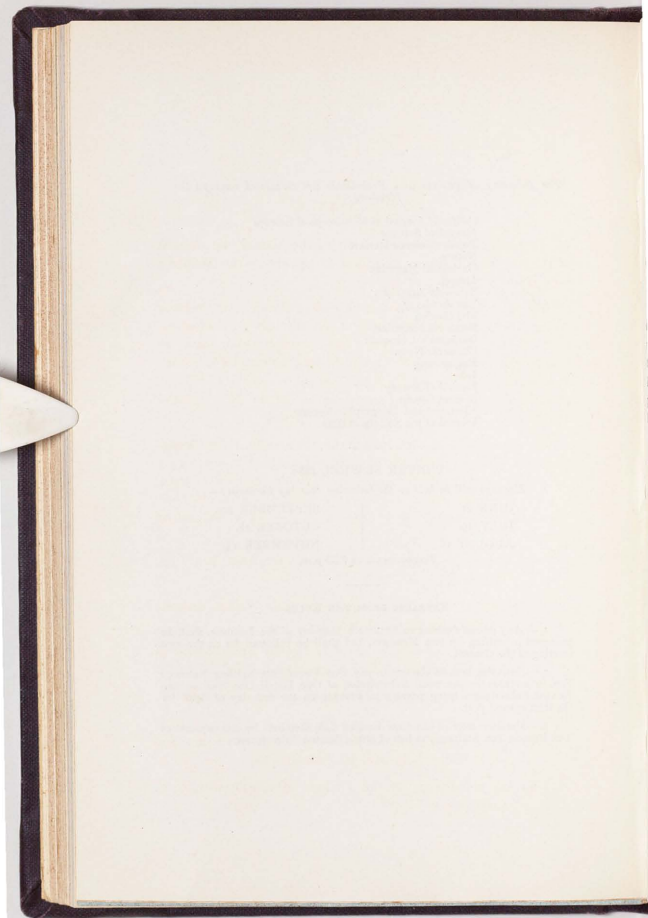
EXTRACTS FROM THE RULES.

1.— Any person desiring to become a Member of the Institute, shall be proposed in writing by two Members, and shall be ballotted for at the next meeting of the Council.

2.— New Members on election to pay One Pound One Shilling Entrance Fee, in addition to the usual Subscription of One Pound One Shilling, the Annual Subscription being payable in advance on the first day of April for the then current year.

3.— Members may at any time become Life-Members by one payment of Ten Pounds Ten Shillings, in lieu of future Annual Subscriptions.

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REPORT.

IN accordance with the constitution of the Society, the Council of the Auckland Institute have now to present to the Members their report for the past year.

Twenty-two additional names have been placed on the register during the year. On the other hand, the losses by death or removal from the Province have been exceptionally heavy, so that there is but a slight increase in the total number of members. It is satisfactory, however, to notice that the Society still holds the premier place among the various branches of the New Zealand Institute, so far as regards the list of membership.

Six meetings have been held during the session. The attendance was fair, considering the difficulty experienced in obtaining a full supply of papers for reading. The Council hope for a greater degree of activity among the working members of the Institute during the next session. The following is a list of the papers read :—

1. Introductory Address :—by the President, Rev. Dr. PURCHAS.
2. Notes on a Disease amongst Sheep in the Waikato district :—by MAJOR W. G. MAIR.
3. Notice of the occurrence of the genus *Sporadanthus* in New Zealand :—by T. F. CHEESEMAM, F.L.S.
4. On the development of *Prionoplus* :—by CAPTAIN T. BROUN.
5. On the growth of Pines and other Trees on Scoria Soil at Mt. Eden :—by MR. JUSTICE GILLIES.
6. On the Botany of the Pirongia Mountain :—by T. F. CHEESEMAM, F.L.S.

7. On the Mound Builders of North America :—by J. ADAMS, B.A.
8. The Possible Pacification of the World by means of a rational international policy :—by the REV. S. EDGAR.
9. The Distress in England, its causes and remedies :—by J. C. FIRTH.
10. Concerning Alcohol :—by E. A. MACKECHNIE.
11. Notes on the Rise and Progress of Architecture and the Fine Arts generally :—by ALBIN MARTIN.
12. The Distress in England, its causes and remedies :—a reply to MR. FIRTH's paper on the same subject :—by the Rev. S. EDGAR:
13. On the Horned Frog of California :—by B. S. BOOTH.
14. On the Larva of *Pericoptus* :—by CAPTAIN T. BROWN.
15. On Landscape Art in the Province of Auckland :—by K. WATKINS.

A selection from the above will be printed in the twelfth volume of the "Transactions," now in the printers' hands.

The Council are glad to report that the number of visitors to the Museum has largely increased during the year. This is doubtless in some measure due to the fine collection of plaster casts from the antique presented by Mr. T. Russell, C.M.G., and which now forms such an ornament to the Museum Hall. Full particulars of this valuable donation were given in last year's report; and the Council have now only to state that the public interest then evinced has continued without abatement, and that the collection is certainly proving of great service to Auckland; not only as affording a real basis for Art education, but also as granting a means of rational enjoyment to all lovers of the beautiful. In connection with this subject, it should be mentioned that the Free School of Art established in the Institute Buildings last year by Dr. Campbell, with the view of enabling the public to take full

advantage of Mr. Russell's donation, has been continued during the year, solely at his expense. From 15 to 20 students have been in regular attendance, and the instructor reports that the progress made is most encouraging. Art students in Auckland are certainly under great obligations to Dr. Campbell for his liberality in this matter.

A full list of all additions to the Museum is appended; but those of special importance may be here briefly alluded to.

Mammalia :—Some interesting Marsupials from New Guinea, collected by Mr. A. Goldie, have been added during the year. To Dr. Haast, of the Canterbury Museum, the Institute is indebted for a fine skeleton of a Giraffe, shortly to be set up for exhibition. A valuable collection of skeletons of the smaller mammals (and also of other vertebrata), forwarded in exchange by Prof. Flower, of the Museum of the Royal College of Surgeons, has arrived in Auckland, but is not yet landed.

Birds :—185 Skins have been received during the twelve months. The most interesting of these is a collection of 110 species made by Mr. A. Goldie during his recent explorations in New Guinea; and which has been purchased for the Museum, partly from the funds of the Institute, and partly from private subscription. A number of New Zealand Bird-skins have also been added, for the purpose of filling up blanks in the type collection, and for exchange. It should here be mentioned that the whole of the mammals and birds received during the last two years are still packed away in cases, the funds of the Institute not being sufficient to defray the salary of a taxidermist.

Fishes and Reptiles :—Thanks are again due to Mr. Parsons, for a large and valuable series of specimens collected by him on the Island of Vavau.

Invertebrata :—A very acceptable collection of South European land and fresh-water Shells, comprising nearly 300 species, has been received in exchange from Dr. von Kobelt of Frankfort on the Maine; but has not yet been unpacked, there being no cases available in which to place it. Thanks are also due to Dr. Haast, for allowing an extensive series of Shells to be selected from

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the duplicates in the Canterbury Museum. In Insects, an additional parcel of Lepidoptera from New Britain has been presented by the Rev. G. Brown, and also some interesting Polynesian species by Mr. W. H. Reynolds.

Ethnology :—The Institute is indebted to Mr. J. T. Mackelvie for a large and varied collection of weapons, implements, clothing, &c., from the Niger River and other localities in Western Africa. The collection purchased from Mr. Goldie includes a number of crania of the Papuans, and also a series of articles illustrating their manners and customs: these will be useful for comparison with Maori and Polynesian specimens. Mr. Justice Gillies has placed the Institute under further obligations by a second donation of Maori Carvings from Rotorua; while Mr. C. O. Davis contributes a fine set of Maori Flax Mats, in excellent preservation.

Geology and Mineralogy :—There is nothing worthy of special mention under this heading, although several small contributions of New Zealand Rocks and Minerals have been received.

Fittings :—The question of new fittings for the Museum will be one of the first matters for the consideration of the new Council. Not only has it been impossible to exhibit the many interesting articles received during the year, but there is no adequate accommodation for storing them, so that in many cases valuable specimens have to be kept in their original packages, at great risk of injury. Through the liberality of a few gentlemen, a sum of nearly £50 has been subscribed towards the cost of new table-cases, the erection of which will be shortly proceeded with. This will in some measure relieve the difficulty, but to remove it altogether appears almost hopeless, unless assistance is granted from public funds.

Library :—The Provincial Council Library, so long in the care of the Institute, is now vested in the City Council in trust for the people of Auckland. The City Council have not yet stated their intentions with respect to the Library, and in the meantime it is being kept open to the public as before. With regard to the Library of the Institute, the Council have to acknowledge the receipt of a grant of £45 10s. under the provisions of the Public

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Libraries Subsidies Act ; this amount has been expended in the purchase of standard scientific works. Some of these have been received, and the remainder are on their way from London. In this place the Council have especial pleasure in drawing attention to the very welcome donation received from Mr. J. T. Mackelvie of a complete set of the publication of the Royal Geographical Society—some 75 vols. in all. To obtain the publications of the chief Scientific Societies has long been one of the objects of the Institute, and Mr. Mackelvie's donation is a most welcome move in this direction.

The Council have now only to thank the members for the assistance and encouragement they have given to the objects of the Institute, and to express the hope that this will be again freely rendered during the next and succeeding years.

The Treasurer in Account with the Auckland Institute.

Dr.	FEBRUARY 12, 1879, TO FEBRUARY 9, 1880.		Cr.	
	£	s. d.	£ s. d.	
Balance at the Bank of New Zealand, February 12, 1879	29	9 1	Books and Periodicals	89 6 3
Entrance Fees and Subscriptions	276	3 0	Additions to Museum	85 10 7
Special Subscriptions	47	8 0	Museum Requisites—Stationery, Printing, Advertising, and Postage.....	37 4 3
Grant to Library, under "Public Libraries Subsidies Act"	45	10 0	Curator	150 0 0
Rents, &c.....	56	5 0	Messenger, Cleaning and Attendance	60 0 0
			Miscellaneous	51 5 2
			Balance in the Bank of New Zealand, February 9, 1880	17 8 10
	<u>£454 15 1</u>			<u>£454 15 1</u>

12

INVESTMENT FUND ACCOUNT.

	£ s. d.		£ s. d.
Cash in Auckland Savings Bank, February 12, 1879	39 0 1	Cash in Auckland Savings Bank, February 9	40 19 1
Interest to December 31st, 1879	1 19 0		
	<u>£40 19 1</u>		<u>£40 19 1</u>

Auckland, February 11, 1880. I have examined the foregoing account, and compared the same with the books, and found all to be correctly stated and properly vouched.

THOMAS MACFFARLANE,
AUDITOR.

T. F. CHEESEMAM,
TREASURER.

ADDITIONS AND DONATIONS

TO THE

LIBRARY AND MUSEUM.

- Meteorological Report for 1878 ; Colonial Museum and Laboratory Report for 1878 ; Progress Reports of the Geological Survey ; Buchanan's Grasses of New Zealand, parts 1 to 4 ; Hand-book to New Zealand for the Sydney Exhibition ; Official Catalogue and Photographs of the New Zealand Court in the Sydney Exhibition :—The Director of the Geological Survey.
- Parliamentary Reports and Papers ; New Zealand Hansard for 1879 ; Facsimile Copy of the Treaty of Waitangi ; Blair's Building Materials of Otago :—The New Zealand Government.
- Parliamentary Papers and Reports ; Report of the Department of Mines for 1878 :—The Colonial Secretary, New South Wales.
- Tasmanian Blue-books ; Walch's Tasmanian Almanac :—The Colonial Secretary, Tasmania.
- Journal and Proceedings of the Royal Society of New South Wales, vol. 12 ; Report of the Council of Education for 1878 ; Report of the Mining Department for 1878 :—The Royal Society of New South Wales.
- Proceedings of the Royal Colonial Institute, vol. 9 :—The Royal Colonial Institute.
- Publications of the Royal Geographical Society, 70 vols., being a complete set to 1879 :—J. T. Mackelvie.
- Transactions and Proceedings of the Zoological Society of London for 1879 :—Purchased.
- Catalogues of the Museum of the Royal College of Surgeons :—Prof. Flower.
- Publications of the New Sydenham Society for 1878-79 :—Purchased.
- Reeve's *Conchologia Iconica* (a portion) ; Gray's Genera of Birds, 3 vols. folio ; Alder & Hancock's Nudibranchiate Mollusca ; Allman's Fresh-water Polyzoa ; Williamson's Foraminifera ; Carpenter's Foraminifera ; Forbes' Medusæ ; Burmeister's Trilobites ; British Museum Catalogue of Birds, vols. 2 and 3 ; Baillon's History of Plants, vol. 4 ; Ralf's British Desmidiæ ; Second Supplement to Watt's Dictionary of Chemistry, &c., &c. :—Purchased.
- Haast's Geology of Canterbury :—The author.
- Thornton's British Flora, 5 vols. :—J. B. Russell.
- Royle's Fibrous Plants of India :—G. P. Pierce.
- Mucller's Organic Constituents of Plants :—J. Merrick.
- Our First Century :—J. S. Henton.
- Mechanics' Magazine, several years :—G. M. Mitford.
- Conchological Pamphlets :—Dr. von Kobelt.
- Large number of Chinese, Indian, and Cingalese books and manuscripts :—J. Goodall, C.E.
- Old Newspapers :—J. T. Mackelvie.
- Paper on the Temples of Kashmir :—Bishop Cowie.

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Portfolio of British Museum Photographs :—E. B. Wilcox.
Water-colour Sketch of the Battle of Okaihau, the first regular encounter
between Maoris and Europeans :—F. E. Maning.
Photograph of the Deed of Sale of a slave :—R. Hazard.

10 Mammals, 110 Bird-skins (all from New Guinea) :—Purchased from Mr
A. Goldie.
Skeleton of Giraffe :—Dr. Haast, Canterbury Museum.
Skeletons of the smaller Mammals, Birds, &c. :—In exchange from Professor
Flower, Museum of the Royal College of Surgeons.
12 Bird's-skins, Oriole's nest, 5 miscellaneous specimens, all from Tobago :—
Deposited by — Geissler.
50 New Zealand Bird-skins :—Purchased.
Large collection of Birds, Fishes, and Reptiles from Vavau Island :—J.
Parsons.
Small Turtle from Long Island, New Guinea :—W. J. Hurst.
Tusks and tail of Wild Boar :—J. McElwaine.
Skin of Spoon-bill Duck :—R. Hobbs.
Skin of Grebe :—J. McElwain.
Skin of Bittern :—Rev. G. Smales.
Specimens of *Lepidosiren*, *Amphioxus*, *Myxine*, and other Fishes :—Professor
Ray Lankester (in exchange).
Nineteen North America Fishes, 4 Mollusks :—Capt. Wilson, "James Arnold,"
per Mr. Justice Gillies.
Small collection of Fijian Fishes :—Captain Savory.
Specimens of *Callorhynchus antarcticus* :—J. Goodall.
Four New Zealand Fishes :—S. T. George, M.H.R.
Two Lizards from New South Wales :—E. A. Mackechnie.
Californian Horned Toad (*Phrynosoma*) :—H. A. C. Ferguson.
Egg of Kiwi :—J. Brown.
Brown Lizard :—Rev. J. Smales.
Snakes, Lizards, &c., from Tobago :—Deposited by — Geissler.
Skeleton of Guanaco :—Charini's Circus Company.
Skeleton of Opossum :—Acclimatisation Society.
Lizard (*Naultinus pacificus*) :—C. Bloomfield.
Moa bones from Whangarei :—Jas. and H. Taylor, per W. Graves.
Skin of Phalanger, eggs of Fantail :—Trollope.
Two Bird-skins, tail of Yak, three Oriole's nests :—Col. Haultain.

Large collection of Foreign Shells :—Dr. Haast, Canterbury Museum.
250 species of South European land and fresh-water Shells :—Dr. von Kobelt,
Frankfort on the Maine.
New Zealand Shells :—T. F. Cheeseman, F.L.S.
New Zealand Shells :—C. Matthews.
Foreign Shells :—G. Johnstone.
Australian Shells :—J. Browning.
Eggs of *Helix Busbyi* :—Ponsonby Peacocke.
Specimens of *Helix Busbyi* :—Sydney Weetman.
Specimens of *Bulimus Shongi* :—G. M. Milford.
Specimens of *Pholas similis* :—Capt. Bowton.
Centipedes :—J. Morrisson.
Lepidoptera from New Britain :—Rev. G. Brown, C.M.Z.S.
Lepidoptera from Tonga and Samoa :—W. H. Reynolds.
Mason Bee and its nest :—Albin Martin.
Large Cuttle Fish (*Octopus sp.*) :—Capt. H. Ferguson.
Red Coral, Cirripedes :—Capt. Lane.
Centipede :—R. Horne.

English Wasps and Hornets :—W. Marshall.
Hepialus virescens :—Auckland Timber Co.

Collection of 150 articles, illustrating the manners and customs of the Negroes on the Niger River, and other localities in West Africa :—J. T. Mackelvie.

Three Papuan Crania, large collections of weapons, implements, &c., from New Guinea :—Purchased from Mr. Goldie.

Six Maori Flax Mats :—C. O. Davis.

Maori Carvings :—Mr. Justice Gillies.

Two Australian Crania :—J. Browning.

Model of Maori Canoe, Wooden Tomahawk, Fern-pounder, Stone Adzes :—J. Runciman.

Old Tomahawk, with bone handle :—S. Weetman.

Food-basket made from totara bark :—H. D. Johnstone.

Stone Adze :—A. J. Hunter.

Fern-pounder, Musical Instrument :—D. M. Beere.

Maori Cranium :—J. Webster.

Greenstone Adze :—

Stone Adze, Obsidian flakes :—J. McElwaine.

Four Stone Adzes :—J. McLennan.

Santal Flute, Bangles, Armlets, &c., used by the Hindoos, Samples of Indian Cotton Cloths :—Col. Haultain.

Large collection of Rock Specimens and Fossils from Kawau Island :—S. T. George, M.H.R.

Deposit from the Mineral Springs at Whangarei :—J. Greaves.

Copper Pyrites ; Surface Guano from Starbuck Island :—J. Burt.

Stibnite and other minerals from the Thames :—J. S. Henton.

Graphite and other minerals from Taranaki :—B. Welles.

Porcellanites and other Volcanic Rock Specimens :—Dr. Purchas.

Lumps of Silica taken from the interior of a burnt straw stack :—T. Crook.

Remarkable worn stones from Hokianga :—F. E. Maning.

Fossil Wood from Fort Britomart :—R. C. Barstow.

Rock Specimens from Hokianga and Mongonui :—S. Weetman.

Petroleum from Poverty Bay :—J. S. Henton.

Fossils from Kawakawa :—S. Weetman.

Fossils from Poverty Bay :—E. B. Dickson.

Portion of the wreck of the "Alcmena" :—Mitchell.

Lead Pipe eaten by Rats :—J. Hay.

Old Spanish Coin :—F. Hume.

Confederate States 5 Dollar Bank Note :—D. G. O'Neill.

Silver Coin :—A. Stanley.

Four Silver Coins :—Solomon.

AUCKLAND INSTITUTE.
—♦♦♦—
LIST OF MEMBERS,

For the year ending March 31, 1880.

—♦♦♦—

[LIFE MEMBERS DISTINGUISHED THUS *].

Adams, J., B.A., Parnell
Aickin, G., Auckland
Aitken, A., C.E., Grahamstown
Aitken, W., Auckland
Alexander, J., Auckland
Allwright, H., C.E., Auckland
Anderson, H. F., Auckland
Anderson, W., Auckland
Atkin, W., Auckland
Atkin, W., Tamaki

Baber, J., C.E., Remuera
Bagnall, L. J., Thames
Ball, T., Mongonui
Ball, W. T., Auckland
Barber, H. P., Parnell
Barnard, J. O., Gisborne
Barstow, R. C., R.M., Auckland
Bartley, E., Devonport
Bates, Rev. J., Devonport
Batger, J., Auckland
Beere, D. M., C.E., Thames
Beetham, A., Epsom
Bennett, T., Rotorua
Berry, W., Auckland
Black, G., Grahamstown
Boylan, J. F., Auckland
Breakell, W. C., C.E., Hamilton
Brett, H., Auckland
Brigham, J. M., Auckland
Brock, A., Auckland
Broun, Capt. T., Kawau
Bruce, Rev. D., Auckland
Buchanan, Jno., Auckland
Buchanan, W., Auckland
Buckland, W. F., Remuera

Buddle, T., Auckland
Buddle, Rev. T., Auckland
Burgess, E. W., Devonport
*Burton, Capt., London
Burton, W., Auckland
Butt, W. A., Maketu

Cameron, R., Auckland
Cameron, W., Remuera
Campbell, J. L., M.D., Auckland
Carr, R. C., Remuera
Cawkwell, W. J., Auckland
Chamberlin, Hon. H., Auckland
Chambers, J., Auckland
Chapman, G. T., Auckland
Cheeseman, T. F., F.L.S., Auckland
Clark, A., Parnell
Clark, J. M., Remuera
Clarke, Ven. Archdeacon E. B.,
Waimate
Cooke, C. E., Auckland
Cochrane, W. S., Devonport
Colbeck, W. H., M.H.R., Te Pahi
Cooper, T., Auckland
Cosgrave, J., Auckland
Cotton, H. E., Auckland
Cowie, Right Rev., W. G., D.D.,
Bishop of Auckland
Cranwell, T., Parnell
Crook, T., F.R.M.S., Auckland
Cruickshank, D. B., Auckland

Daldy, W. C., Auckland
Darby, P., Auckland
Daveny, Capt. B., Auckland

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Dawson, F. W., M.R.C.S.E.,
Auckland
Dignan, Hon. P., Auckland
Douglas, Sir R., Whangarei
Dowden, W., Auckland
Dufaur, P., Auckland
Dyer, R. C., Parnell

Earl, W., Ohaewai
Edger, Rev. S., Auckland
Edson, J., Auckland
Elliot, W., Auckland
Errington, W., C.E., Auckland
Ewington, F. G., Auckland

Fairburn, J., Otahuhu
Fallon, D., Auckland
Farmer, J., London
Fenton, F. D., Auckland
Fergusson, H. A. C., Timaru
Firth, J. C., Auckland
Floyd, W. H., Christchurch
Fraser, G., Auckland
Fraser, Rev. J. M., Coromandel

George, S. T., M.H.R., Kawau
Gibbes, J. A. O., Auckland
Gibbons, E., Onehunga
Gillies, His Honor Justice, Auckland

Gittos, B., Auckland
Goldsboro', C. F., M.D., Parnell
Goodfellow, W., Otara
Gordon, W. P., Papakura
Gorrie, W., Auckland
Graham, G. S., Auckland
Graham, W. K., London
Green, Major, Auckland
Grey, J., Auckland
Grey, W., Auckland
Greenway, J. H., Russell
Gudgeon, T. W., Auckland

Haines, C. H., M.D., F.R.C.S.
Auckland
Hales, W. P., A.I.C.E., Auckland
Hammond, A. de L., B.A.,
Auckland
Harbutt, T. J., Auckland
Hardie, J., Auckland
Harding, S., C.E., Auckland
Harker, N., Auckland
Harrison, E. M., Auckland
Haultain, Hon. Col., Auckland

Hay, D., Parnell
Hay, J., Auckland
Hean, D., Auckland
Heale, T., Parnell
Heath, N., F.G.S., Auckland
Heather, A., Auckland
Henton, J. S., Auckland
Herapath, P., Auckland
Herapath, S. M., Auckland
Hesketh, E., Auckland
Hetley, C. F., Auckland
Herbert, T., Auckland
Hill, W. S., Auckland
Hobbs, R., Pokeno
Holdship, G., Auckland
Hooper, J. H., M.R.C.S.E.
Auckland
Howard, J., Auckland
Howden, G., Auckland
Hughes, S. E., Auckland
Hunt, R. R., Ngaruawahia
Hunter, A. H., Auckland
Hurst, W. J., Auckland

Ireland, B., Parnell

James, J., Epsom
Johnston, G., Auckland
Judd, A., Auckland

Keesing, Mrs., Auckland
Kinder, Rev. J., D.D., St. John's
College
*Kirk, T., F.L.S., Wellington
Kissling, G. S., Parnell
Kissling, T., Parnell

Lamb, J., Riverhead
Larkins, F., Remuera
Larkworthy, F., London
La Roche, C., Auckland
*Leaf, C. J., F.L.S., F.G.S., London
Lee, W., M.D., Auckland
Lennox, J. M., Auckland
Lindsay, J., C.E., Ngaruawahia
Lindesay, T., Howick
Lodder, W., Remuera
Lodge, W. F., Parnell
Luke, S., Otahuhu
Lusk, H. H., Auckland

MacCormick, J. C., Auckland

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Macdonald, A. V., C.E., Auckland
Macdonald, J. E., R.M., Auckland
MacElwaine, J., Newton
Macfarland, R. J., C.E., Grahams-
town

Macffarlane, T., Auckland
Mackechnie, E. A., Auckland
Mackenzie, D. H., Auckland
MacLaughlin, W., Papatoitōi
Maclean, E., Cambridge
Macmillan, C. E., Auckland
Macrae, F., Auckland
Mair, Capt. G., F.L.S., Wanganui
Mair, R., Wanganui
Mair, Major W. G., Alexandra
Maning, F. E., Hokianga
Martin, J., P.G.S., Auckland
Masfield, T. T., Auckland
Maunsell, Ven. Archdeacon, W.,
Parnell

*Meinertzhagen, F. M., Napier
McColl, J., Newmarket
Mitchell, H., Ohinemutu
Mitchell, W. L., Auckland
Mitford, G. M., Parnell
Moat, W. P., Mahurangi
Morton, H. B., Auckland
Morrin, T., Auckland
Monro, H. A. H., Auckland
Moss, F. H., M.H.R., Parnell
Murdoch, D. L., Auckland

Nathan, L. D., Auckland
Nation, Col., Parnell
Nelson, Rev. C. M., M.A.,
Auckland
Newman, J., Remuera

O'Rorke, G. M., M.H.R., Auck-
land
O'Sullivan, R. J., Auckland
Owen, G. B., Auckland

Paul, Rev. Jas., Onehunga
Peacock, T., Auckland
Perkins, E., Sydney
Pierce, G. P., Auckland
Plumley, E. A., Auckland
Pollen, Hon. Dr., Auckland
Pond, J. A., Auckland
Pounds, J. E., Auckland
Purchas, Rev. A. G., M.R.C.S.E.,
Newton
Pycroft, H. T., Ponsonby

Rattray, W., Auckland
Rayner, G., Coromandel
Reid, J., Auckland
Richmond, J., Auckland
Robertson, J., Auckland
Robertson, C. A., Auckland
Robertson, J., Mangare
Rose, R., Newton
Runciman, Jas., Cambridge
Russell, Jas., Auckland
Russell, J. B., Auckland
Russell, T., C.M.G., London
Rye, Lewis, Otamatea

Sanders, C. W., Parnell
Scott, W., Paterangi
Sheath, A., Auckland
Sinclair, A., Churchill
Slatter, J., Auckland
Smales, Rev. G., East Tamaki
Smith, G., Ponsonby
Smith, S. P., Parnell
Spencer, T., Grahamstown
Spicer, A., Auckland
Stewart, J., C.E., Auckland
Stewart, T. M., Melbourne
Stockwell, W., M.R.C.S.E.
Auckland
Stone, C. J., Auckland

Taylor, J., Auckland
Thomas, Capt., Parnell
Thomson, Neil, Mahurangi
Tilly, Lieut. T. C., R.N., Remuera
*Tinne, H., Tamahere
Tinne, T. F. S., Auckland
Tonks, B., Parnell
Tothill, C., Auckland
Tunny, J. M., Auckland
Tyler, E. K., Auckland

Upton, J. H., Auckland
Urquhart, A. T., Karaka

Vaile, S., Auckland
Vickers, S. Auckland

Wade, H. G., Auckland
Waller, G., Auckland
Wallis, Rev. Dr., M.H.R., Auck-
land
Watkins, K., Devonport
Waymouth, J., Auckland

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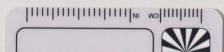
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Wayte, E., Auckland
Webster, J., Hokianga
Weetman, S., Mongonui
Whitaker, A. E., Auckland
Whitaker, Hon. F., Auckland
White, F. A., Auckland
White, T. L., Auckland
Whitson, R. W., Auckland
Whitson, T., Auckland
Wilcox, E. B., Auckland
Will, W., Auckland
Willcocks, E. S., Auckland
Williams, H., Bay of Islands
Williams, J. W., Bay of Islands

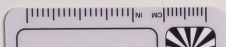
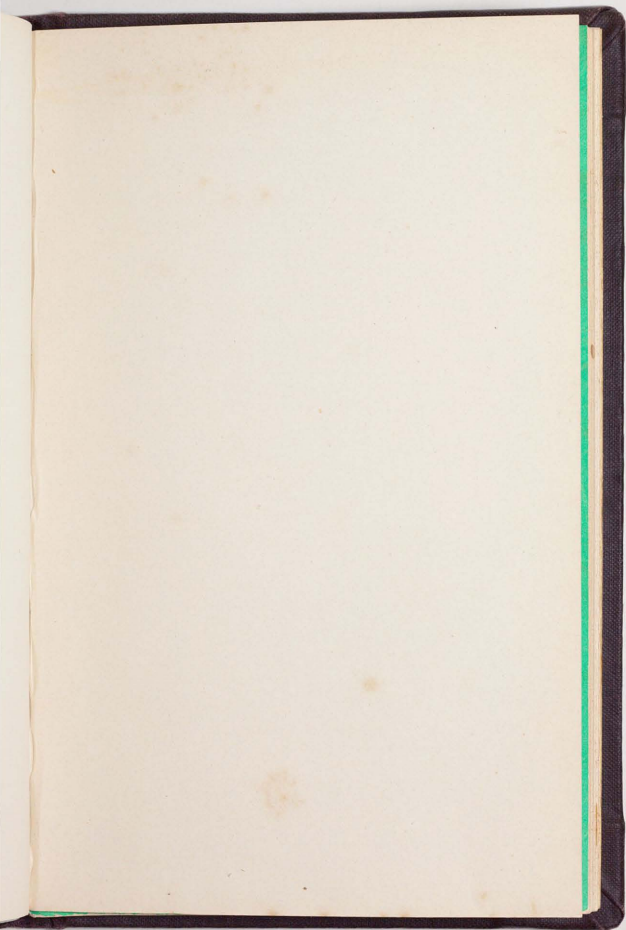
Williams, S. J., Auckland
Williams, Ven. Archdeacon, W. L.,
Gisborne
Williamson, Hon. J., Auckland
Williamson, C., Auckland
Wilson, D. C., Maungakaramea
Wilson, J. I., Wangarei
Winks, J., Parnell
Wright, F. W., L.M.B., Toronto,
Parnell
Worthington, H., Auckland

Young, W. S., Kaipara.

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